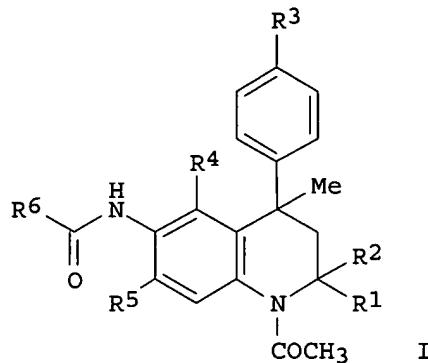


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L7 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
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AB Title compds. I [wherein R1, R2 = H, Me; R3 = H, HO, (alkylamino)alkoxy, heterocycloalkylalkoxy; R4, R5 = independently H, HO, alkoxy, (un)substituted amino, etc., with provisos; R6 = (hetero)aryl, (hetero)cycloalkyl, alkyl; and pharmaceutically acceptable salts thereof] were prepared. For example, II, I [R1 = R2 = Me, R3 = R4 = R5 = MeO, R6 = 3-Cl-2,6-(MeO)2], was given in multiple-step synthesis starting from 5,7-dimethoxy-2,2,4-trimethyl-1,2-dihydroquinoline. The prepared title compds. I exhibited an IC50 value of less than 10-5 M in either an agonistic or an antagonistic assay for CHO-FSH in vitro bioactivity. Thus, I and their pharmaceutical compns. are useful for the manufacture of a medicament for fertility regulation.

AN 2004:550940 CAPLUS

DN 141:106386

TI Preparation of tetrahydroquinoline derivatives for fertility regulation

IN Timmers, Cornelis Marius; Karstens, Willem Frederik Johan

PA Akzo Nobel N.V., Neth.

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004056780	A2	20040708	WO 2003-EP51025	20031216
	WO 2004056780	A3	20040805		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		EP 2002-102866	A 20021220

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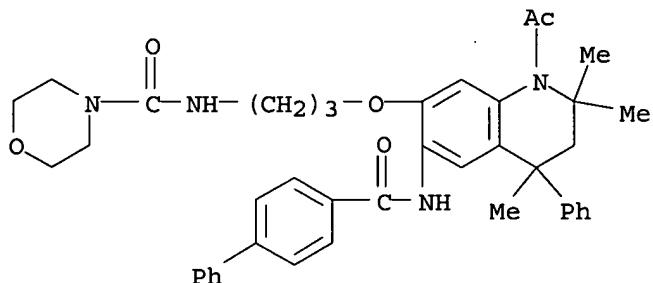
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EP 1578726	A2	20050928	EP 2003-796105 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	20031216
BR 2003017518	A	20051116	EP 2002-102866 US 2002-435040P WO 2003-EP51025	A 20021220 P 20021220 W 20031216
NO 2005002727	A	20050713	BR 2003-17518 EP 2002-102866 US 2002-435040P WO 2003-EP51025	20031216 A 20021220 P 20021220 W 20031216
OS MARPAT 141:106386 IT 717855-69-1P			NO 2005-2727 EP 2002-102866 US 2002-435040P WO 2003-EP51025	20050607 A 20021220 P 20021220 W 20031216

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1-acetyl-2,2,4-trimethyl-4-phenylquinoline derivs. for fertility regulation)

RN 717855-69-1 CAPLUS

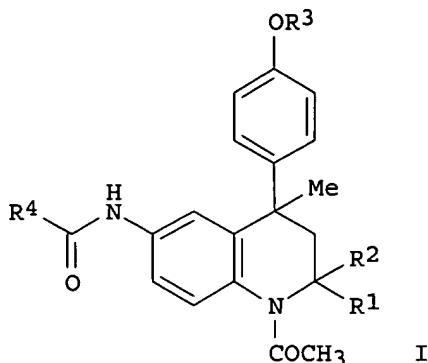
CN 4-Morpholinocarboxamide, N-[3-[[1-acetyl-6-[[[1,1'-biphenyl]-4-ylcarbonyl]amino]-1,2,3,4-tetrahydro-2,2,4-trimethyl-4-phenyl-7-quinolinyl]oxy]propyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
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AB Title compds. I [wherein R1, R2 = H, Me; R3 = heterocycloalkylalkyl, (hetero)arylalkyl, (di)alkylaminocarbonylaminoalkyl, etc.; R4 = (hetero)aryl, (hetero)cycloalkyl, alkyl; and pharmaceutically acceptable salts thereof] were prepared. For example, II, I [R1 = R2 = Me, R3 = Me2N(CH2)2, R4 = biphenyl], was given in multiple-step synthesis starting from (2,2,4-trimethyl-1,2-dihydroquinolin-6-yl)carbamic acid tert-Bu ester. The prepared title compds. I exhibited an IC50 value of less than 10-5 M in either an agonistic or an antagonistic assay for CHO-FSH bioactivity. Thus, I and their pharmaceutical compns. are useful for the manufacture of a medicament for fertility regulation.

AN 2004:546483 CAPLUS

DN 141:106385

TI Preparation of tetrahydroquinoline derivatives for fertility regulation

IN Timmers, Cornelis Marius; Karstens, Willem Frederik Johan

PA Akzo Nobel N.V., Neth.

SO PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004056779	A2	20040708	WO 2003-EP51024	20031216
	WO 2004056779	A3	20040812		
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	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		EP 2002-102865	A 20021220
				US 2002-435479P	P 20021220
CA	2508923	AA	20040708	CA 2003-2508923	20031216
				EP 2002-102865	A 20021220
				US 2002-435479P	P 20021220
				WO 2003-EP51024	W 20031216
EP	1578727	A2	20050928	EP 2003-808299	20031216
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			

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BR 2003017514	A	20051116	EP 2002-102865 US 2002-435479P WO 2003-EP51024 BR 2003-17514 EP 2002-102865 US 2002-435479P WO 2003-EP51024	A 20021220 P 20021220 W 20031216 20031216 A 20021220 P 20021220 W 20031216
NO 2005002777	A	20050713	NO 2005-2777 EP 2002-102865 US 2002-435479P WO 2003-EP51024	20050608 A 20021220 P 20021220 W 20031216

OS MARPAT 141:106385

IT 717865-78-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1-acetyl-2,2,4-trimethyl-4-phenylquinoline derivs. for fertility regulation)

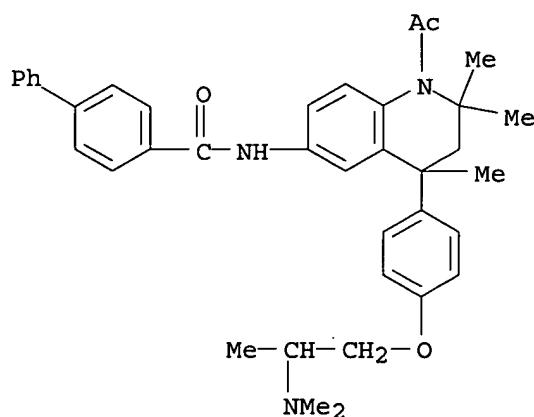
RN 717865-78-6 CAPLUS

CN [1,1'-Biphenyl]-4-carboxamide, N-[1-acetyl-4-[4-[2-(dimethylamino)propoxy]phenyl]-1,2,3,4-tetrahydro-2,2,4-trimethyl-6-quinolinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 717865-77-5

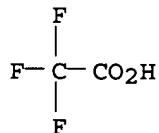
CMF C38 H43 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



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